WHAT IS CLAIMED IS:

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- 1. A method of treating an animal suffering from a pathological condition, comprising:
- 5 administering to the animal a therapeutically effective amount of a composition comprising at least one agent where the agent
 - (a) suppresses nitric oxide synthesis and
 - (b) exhibits mammalian α_1 -antitrypsin, α_1 -antitrypsin-like, elastase-inhibitory, or proteinase-3-inhibitory activity.
- 10 2. The method of claim 1 in which the agent exhibits α_1 -antitrypsin-like activity.
 - 3. The method of claim 1 in which the agent exhibits mammalian α_l -antitrypsin activity.
 - 4. The method of claim 1 in which the agent is a substituted oxadiazole, thiadiazole, triazole peptoids, or combinations thereof.
 - 5. The method of claim 1 in which the agent is (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(2-phenylethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(2-methoxybenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(trifluoromethyl)-1,2,4-
 - N-[1-(3-(5-(methyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(difluoromethyl)-1,2,4-oxadiazolyl) carbonyl)-

oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-

- 2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(benzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-
 - L-Valyl-N-[1-(3-(5-(3-methoxybenzyl)-1,2,4-oxadiazolyl) carbonyl)-2-(S)-(1-(3-(5-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(1-(3-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(1-(3-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(1-(3-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S)-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl)) carbonyl)-2-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl) carbonyl)-2-(S-(3-methoxybenzyl)-1,2,4-oxadiazolyl) carbonyl) carbony
 - Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(2,6-difluorobenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide;
- 30 (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-styryl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-4-

Trifluoro methylstyryl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-4-Methoxystyryl)-1,2,4oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(3-Thienylmethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(Phenyl)-1,2,4oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; and (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(3-Phenylpropyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide, Benzyloxycarbonyl-L-valyl-N-[1-(2-[5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide, Benzyloxycarbonyl-L-valyl-N-[1-(2-(3methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; 10 Benzyloxycarbonyl-L-valyl-N-[1-(2-(5-(methyl)-1,3,4-oxadiazoly]carbonyl)-2-(S)methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(3trifluoromethylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(4-Dimethylamino benzyl)-1,3,4oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-15 N-[1-(2-(5-(1-napthylenyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-Lprolinamide; (Benzyloxycarbonyl)-L-valyl-[1-(3-(5-(3,4-methylenedioxybenzyl)-1,2,4oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-dimethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-20 prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-dimethoxybenzyl)-1,2,4oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-Lvalyl-N-[1-(3-(5-(3,5-ditrifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)methylpfopyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3methylbenzyl)-1,2,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(biphenylmethine)-1,2,4-oxadiazolyl 25 [carbonyl]-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(4-phenylbenzyl)-1,2,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-phenylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3phenoxybenzyl)-1,2,4-oxadiazolyl |carbonyl)-2-(S)-methylpropyl]-L-prolinamide; 30 (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(cyclohexylmethylene)-1,2,4-

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oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-
              valyl-N-[1-(3-(5-(3-trifluoromethyldimethylmethylene)-1,2,4-oxadiazolyl]carbonyl)-2-
             (S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(1-
             napthylmethylene)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
            (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-pyridylmethyl)-1,2,4-oxadiazolyl]carbonyl)-
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            2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-
            diphenylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
            (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(4-dimethylaminobenzyl)-1,2,4-
            oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; 2-(5-
           [(Benzyloxycarbonyl)amino]-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-pyrimidinyl]-N-[1-
  10
           (3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)- (S)-2-
           methylpropyl]acetamide; 2-(5-Amino-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-
           pyrimidinyl]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
           methylpropyl]acetamide; 2-(5-[(Benzyloxycarbonyl)amino]-6-oxo-2-(4-fluorophenyl)-
           1,6-dihydro-1-pyrimidinyl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-
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           (S)-2-methylpropyl]acetamide; 2-(5-Amino-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-
           pyrimidinyl]-N-[1-(2-(5- (3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-
          methylpropyl]acetamide; (Pyrrole-2-carbonyl)-N-(benzyl)glycyl-N-[1-(2-(5-(3-
          methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; (Pyrrole-2-
          carbonyl)-N-(benzyl)glycyl-N-[1-(3-(5-(3-trifluoromethylbenzyl)]-1,2,4-oxadiazolyl)-
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          (S)-methylpropyl]amide; (2S,5S)-5-Amino-1,2,4,5,6,7-hexahydroazepino-[3,2,1]-indole-
          4-one-carbonyl -N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-(R,S)-2-
          methylpropyl]amide; BTD-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
         methylpropyl]amide; (R,S)-3-Amino-2-oxo-5-phenyl-1,4,-benzodiazepine-N-[1-(2-(5-(3-
         methylbenzy 1)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
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         (Benzyloxycarbonyl)-L-valyl-2-L-(2,3-dihydro-1H-indole)-N-[1-(2-(5-(3-methylbenzyl)-1-(2-(3-methylbenzyl)-1-(2-(3-methylbenzyl)-1-(2-(3-methylbenzyl)-1-(2-(3-methylbenzyl)-1-(2-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-methylbenzyl)-1-(3-me
         1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; (Benzyloxycarbonyl)-L-valyl-2-
         L-(2,3-dihydro-1H-indole)-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
         oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; Acetyl-2-L-(2,3-dihydro-1H-indole)-
        N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; 3-
        (S)-(Benzyloxycarbonyl)amino)-\(\epsilon\)-1.actam-N-[1-(2-(5-(3-methylbenzy 1)-1,3,4-
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oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-(S)-(Amino)- ε--lactam-N-[1-(2-
      (5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide
      trifluoroacetic acid salt; 3-(S)-[(4-morpholino carbonyl-butanoyl)amino]- ε--lactam-N-[1-
      (2-(5-(3-methylbenzyl)-1,3, 4-oxadiazolyl]carbonyl)-2-(R,S)-methylpropyl]acetamide; 6-
      [4-Fluorophenyl]- ε-lactam-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-
      (S)-methylpropyl]acetamide; 2-(2-(R,S)-Phenyl-4-oxothiazolidin-3-yl]-N-[1-(2-(5-(3-
      methylbenzyl)-1,3,4 -oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 2-(2-(R,S)-
      phenyl-4-oxothiazolidin-3-yl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4 -
      oxadiazolyl]hydroxymethyl)-2-(S)-methylpropyl]acetamide; 2-(2-(R,S)-Benzyl-4-
      oxothiazolidin-3-yl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
10
      methylpropyl]-acetamide; 2-(2-(R,S)-Benzyl-4-oxothiazolidin-3-yl oxide]-N-[1-(3-(5-(3-
      trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2- (R,S,)-methylpropyl]acetamide;
      (1-Benzoyl-3,8-quinazolinedione)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; (1-Benzoyl-3,6-piperazinedione)-
     N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
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     (1-Phenyl-3,6-piperazinedione)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; [(1-Phenyl-3,6-piperazinedione)-
     N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4 -oxadiazolyl]carbonyl)]-2-(S)-
     methylpropyl]acetamide; 3-[(Benzyloxycarbonyl)amino]-quinolin-2-one-N-[1-(2-(5-(3-
20
     methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-
     [(Benzyloxycarbonyl)amino]-7-piperidinyl-quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-
     1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-(Carbomethoxy-quinolin-
     2-one-N-[1-(2-(5-(3-methybenzyl)-1,3,4-oxadiazoly l]carbonyl)-2-(S)-
     methylpropyl]acetamide; 3-(Amino-quinolin-2-one)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
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     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-[(4-Morpholino)aceto]amino-
     quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-1, 3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]acetamide; 3,4-Dihydro-quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 1-Acetyl-3-(4-fluorobenzylidene)
     piperazine-2,5-dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]acetamide; 1-Acetyl-3-(4-dimethylamino benzylidene)piperazine-2,5-
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     dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
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methylpropyl]acetamide; 1-Acetyl-3-(4-carbomethoxy benzylidene)piperazine-2,5-dione-
       N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
       1-Acetyl-3-[(4-pyridyl)methylene]piperazine-2,5-dione-N-[1-(2-(5-(3-methyl benzyl)-
       1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(R)-benzyl-
      piperazine-2,5,-dione]-N-[1-(2-[5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
  5
      methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-benzyl piperazine-2,5,-dione]-N-[1-(2-(5-(3-
      methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-
      3(R)-benzylpiperazine-2,5,-dione]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-
      benzylpiperazine-2,5,-dione]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
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      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-benzyl
      piperazine-2,5,-dione]-N-[1-(3-(5-(2-dimethylaminoethyl)-1,2,4-oxadiazolyl |carbonyl)-
      2-(S)-methylpropyl]acetamide; 4-[1-Methyl-3-(R,S)-phenylpiperazine-2,5,-dione]-N-[1-
      (3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
      methylpropyl]acetamide; 4-[[-Methyl-3-(R,S)-phenyl piperazine-2,5,-dione]-N-[1-(2-(5-
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      (3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-(4-
      Morpholino ethyl)3-(R)-benzyl piperazine-2,5,-dione]-N-[1-(2-(5-(3-methylbenzyl)-
      1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-(R,S)-Phenyl-2,4-
      imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
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     methylpropyl]acetamide; 5-(R)-Benzyl-2,4-imidazolidinedione-N-[1-(2-(5-(3-
      methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-(S)-Benzyl-
     2,4-imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]acetamide; 5-(S)-Benzyl-2,4-imidazolidinedione-N-[1-(3-(5-(3-
     trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-
     (R)-Benzyl-2,4-imidazolidinedione-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
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     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 1-Benzyl-4-(R)-benzyl-2.5-
     imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]acetamide; and 1-Benzyl-4-(R)-benzyl-2,5-imidazolidinedione-N-[1-(3-(5-
     (3-trifluoromethyl benzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide, or
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     pharmaceutically acceptable salts thereof, or combinations thereof.
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- 6. The method of claim 1 in which the therapeutically effective amount is about 1 ng per ml to about 10 mg per ml of biological fluid of the animal.
- 7. The method of claim 1 in which the administering is performed by osmotic pump, parenterally, orally, vaginally, rectally, nasally, buccally, intravenously, intramuscularly, subcutaneously, intrathecally, epidurally, transdermally, intracerebroventricularly, or combinations thereof.
 - 8. The method of claim 1 in which the animal is a human.

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- 9. The method of claim 1 in which the composition further comprises a pharmaceutically acceptable carrier.
- 10. The method of claim 1 in which the therapeutically effective amount is administered between about once daily to about once hourly.
 - 11. The method of claim 1 in which the composition is administered within four hours of an ischemic event.
- 12. The method of claim 1 in which administering to an animal a therapeutically effective amount of at least one agent exhibiting mammalian α_1 -antitrypsin or α_1 -antitrypsin-like activity improves a pathological condition mediated by a pro-inflammatory cytokine.
 - 13. The method of claim 12 in which the cytokine is γ -interferon, lipopolysaccharide, or a combination thereof.
 - tubulointerstitial disease, acute pancreatitis, acute respiratory failure, acute respiratory distress syndrome, age-associated memory impairment, AIDS, airway inflammation, Alzheimer's disease, amyotrophic lateral sclerosis, asthma, atherosclerosis, autoimmune disease, autoimmune myocarditis, carcinogenesis, cerebral ischemia, cerebrovascular accident, chronic liver disease, chronic lung disease, chronic obstructive pulmonary disease, chronic otitis media, congestive heart failure, coronary artery disease, coronary artery ectasia, diabetes mellitus, diabetic neuropathy, dysfunctional uterine bleeding, dysmenorrhea, endotoxic shock, end-stage renal disease, falciparum malaria, gastric carcinogenesis, gastrointestinal pathophysiology, glaucoma, glutamate-induced asthma, glutamate induced Chinese restaurant syndrome, heart failure, heat stress, gastritis, 'hotdog headache', Hirschsprung's disease, hypertension, hypoxemic respiratory failure,

inflammatory arthritis, inflammatory bowel disease, inflammatory joint diseases, liver cirrhosis, liver disease, Lyme neuroborreliosis, migraine, multiple sclerosis, myocardial infarction, neonatal and pediatric respiratory failure, nephrotoxicity, neurodegenerative diseases, orthopedic disease, osteoarthritis, oxidant stress, Parkinson's disease, pediatric pulmonary disease, pleural inflammation, preeclampsia, primary ciliary dyskinesia, primary pulmonary hypertension, protozoan infections, pugilistic Alzheimer's disease, pulmonary hypertension, retinal disease, septic shock, sickle cell anemia, rheumatoid arthritis, stroke, systemic lupus erythematosus, traumatic brain injury, tumor progression, vascular disease, or combinations thereof.

15. A method of prophylactically treating an individual at risk for a pathological condition that is precipitated at least in part by inappropriate nitric oxide, which comprises administering to the individual a therapeutically effective amount of a composition comprising at least one agent exhibiting mammalian α_1 -antitrypsin, α_1 -antitrypsin-like, antielastase, or antiproteinase-3 activity.

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- 16. The method of claim 15 in which the agent is substituted oxadiazole, thiadiazole, triazole peptoids, or mixtures thereof.
- 17. The method of claim 15 in which the agent is (benzyloxycarbonyl)-Lvalyl-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)methylpropyl]-L-prolinamide benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(2-phenylethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-20 valyl-N-[1-(3-(5-(2-methoxybenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-Lprolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(trifluoromethyl)-1,2,4oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(methyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide: 25 (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(difluoromethyl)-1,2,4-oxadiazolyl) carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(benzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(3-methoxybenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(2,6difluorobenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; 30 (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-styryl)-1,2,4-oxadiazolyl)carbonyl)-2-

- (S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-4-Trifluoro methylstyryl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-4-Methoxystyryl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-
- Valyl-N-[1-(3-(5-(3-Thienylmethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(Phenyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; and (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(3-Phenylpropyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide, Benzyloxycarbonyl-L-valyl-N-[1-(2-[5-(3-methylbenzyl)-1,3,4-oxadiazolyl]
- carbonyl)-2-(S)-methylpropyl]-L-prolinamide, Benzyloxycarbonyl-L-valyl-N-[1-(2-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;

 Benzyloxycarbonyl-L-valyl-N-[1-(2-(5-(methyl)-1,3,4-oxadiazoly]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;

 Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(3-trifluoromethylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
- (Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(4-Dimethylamino benzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(1-napthylenyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-[1-(3-(5-(3,4-methylenedioxybenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-
- methylbenzyl)-1,2,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
 (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(biphenylmethine)-1,2,4-oxadiazolyl
]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(4-phenylbenzyl)-1,2,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
 (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-phenylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-
- 30 2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-phenoxybenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;

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(Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(cyclohexylmethylene)-1,2,4-
      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-
      valyl-N-[1-(3-(5-(3-trifluoromethyldimethylmethylene)-1,2,4-oxadiazolyl]carbonyl)-2-
      (S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(1-
      napthylmethylene)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide:
      (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-pyridylmethyl)-1,2,4-oxadiazolyl)carbonyl)-
      2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-
      diphenylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
     (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(4-dimethylaminobenzyl)-1,2,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; 2-(5-
10
     [(Benzyloxycarbonyl)amino]-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-pyrimidinyl]-N-[1-
     (3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-(S)-2-
     methylpropyl]acetamide; 2-(5-Amino-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-
     pyrimidinyl]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
15
     methylpropyl]acetamide; 2-(5-[(Benzyloxycarbonyl)amino]-6-oxo-2-(4-fluorophenyl)-
     1,6-dihydro-1-pyrimidinyl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-
     (S)-2-methylpropyl]acetamide; 2-(5-Amino-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-
     pyrimidinyl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-
     methylpropyl]acetamide; (Pyrrole-2-carbonyl)-N-(benzyl)glycyl-N-[1-(2-(5-(3-
     methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; (Pyrrole-2-
     carbonyl)-N-(benzyl)glycyl-N-[1-(3-(5-(3-trifluoromethylbenzyl)]-1,2,4-oxadiazolyl)-
     (S)-methylpropyl]amide; (2S,5S)-5-Amino-1,2,4,5,6,7-hexahydroazepino-[3,2,1]-indole-
     4-one-carbonyl -N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-(R,S)-2-
     methylpropyl]amide; BTD-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-($)-
     methylpropyl]amide; (R,S)-3-Amino-2-oxo-5-phenyl-1,4,-benzodiazepine-N-[1-(2-(5-(3-
25
     methylbenzy l)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
     (Benzyloxycarbonyl)-L-valyl-2-L-(2,3-dihydro-1H-indole)-N-[1-(2-(5-(3-methylbenzyl)-
     1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; (Benzyloxycarbonyl)-L-valyl-2-
     L-(2,3-dihydro-1H-indole)-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; Acetyl-2-L-(2,3-dihydro-1H-indole)-
30
     N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; 3-
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(S)-(Benzyloxycarbonyl)amino)- ε-lactam-N-[1-(2-(5-(3-methylbenzy l)-1,3,4-
            oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-(S)-(Amino)- \(\epsilon\)-lactam-N-[1-(2-
            (5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide
            trifluoroacetic acid salt; 3-(S)-[(4-morpholino carbonyl-butanoyl)amino]- ε--lactam-N-[1-
            (2-(5-(3-methylbenzyl)-1,3, 4-oxadiazolyl]carbonyl)-2-(R,S)-methylpropyl]acetamide; 6-
    5
            [4-Fluorophenyl]- ε-lactam-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-
            (S)-methylpropyl]acetamide; 2-(2-(R,S)-Phenyl-4-oxothiazolidin-3-yl]-N-[1-(2-(5-(3-
           methylbenzyl) - 1, 3, 4 - oxadiazolyl] carbonyl) - 2 - (S) - methylpropyl] acetamide; 2 - (2 - (R,S) - R,S) - (R,S) 
            phenyl-4-oxothiazolidin-3-yl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
           oxadiazolyl]hydroxymethyl)-2-(S)-methylpropyl]acetamide; 2-(2-(R,S)-Benzyl-4-
  10
           oxothiazolidin-3-yl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4 -oxadiazolyl]carbonyl)-2-(S)-
           methylpropyl]-acetamide; 2-(2-(R,S)-Benzyl-4-oxothiazolidin-3-yl oxide]-N-[1-(3-(5-(3-
          trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2- (R,S,)-methylpropyl]acetamide;
          (1-Benzoyl-3,8-quinazolinedione)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
          oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; (1-Benzoyl-3,6-piperazinedione)-
 15
          N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
          (1-Phenyl-3,6-piperazinedione)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
          oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; [(1-Phenyl-3,6-piperazinedione)-
          N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4 -oxadiazolyl]carbonyl)]-2-(S)-
          methylpropyl]acetamide; 3-[(Benzyloxycarbonyl)amino]-quinolin-2-one-N-[1-(2-(5-(3-
20
          methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-
          [(Benzyloxycarbonyl)amino]-7-piperidinyl-quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-
        1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-(Carbomethoxy-quinolin-
          2-one-N-[1-(2-(5-(3-methybenzyl)-1,3,4-oxadiazoly l]carbonyl)-2-(S)-
         methylpropyl]acetamide; 3-(Amino-quinolin-2-one)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
25
         oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-[(4-Morpholino)aceto]amino-
         quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-1, 3,4-oxadiazolyl]carbonyl)-2-(S)-
         methylpropyl]acetamide; 3,4-Dihydro-quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
         oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 1-Acetyl-3-(4-fluorobenzylidene)
         piperazine-2,5-dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
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methylpropyl]acetamide; 1-Acetyl-3-(4-dimethylamino benzylidene)piperazine-2,5-

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dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
                    methylpropyl]acetamide; 1-Acetyl-3-(4-carbomethoxy benzylidene)piperazine-2,5-dione-
                   N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl] acetamide;
                   1-Acetyl-3-[(4-pyridyl)methylene]piperazine-2,5-dione-N-[1-(2-(5-(3-methyl benzyl)-
                   1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(R)-benzyl-
        5
                   piperazine-2,5,-dione]-N-[1-(2-[5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
                   methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-benzyl piperazine-2,5,-dione]-N-[1-(2-(5-(3-
                  methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-
                  3 (R) - benzylpiperazine -2, 5, -dione] - N - [1 - (3 - (5 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - trifluoromethylbenzyl) - 1, 2, 4 - (3 - trifluoromethylbenzyl) 
                 oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-
    10
                 benzylpiperazine-2,5,-dione]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
                 oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-benzyl
                 piperazine-2,5,-dione]-N-[1-(3-(5-(2-dimethylaminoethyl)-1,2,4-oxadiazolyl]carbonyl)-
                2-(S)-methylpropyl]acetamide; 4-[1-Methyl-3-(R,S)-phenylpiperazine-2,5,-dione]-N-[1-
                15
                methylpropyl]acetamide; 4-[[-Methyl-3-(R,S)-phenyl piperazine-2,5,-dione]-N-[1-(2-(5-
                Morpholino ethyl)3-(R)-benzyl piperazine-2,5,-dione]-N-[1-(2-(5-(3-methylbenzyl)-
                1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-(R,S)-Phenyl-2,4-
               imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-\\
  20
               methylpropyl]acetamide; 5-(R)-Benzyl-2,4-imidazolidinedione-N-[1-(2-(5-(3-
              methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-(S)-Benzyl-
              2,4-imidazolidine dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-1,2,4-imidazolidine dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-1,2,4-imidazolidine dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-1,2,4-imidazolidine dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-1,2,4-imidazolidine dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-(S)-1,2,4-imidazolyl] carbonyl)-2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(S)-1,2-(
              methylpropyl]acetamide; 5-(S)-Benzyl-2,4-imidazolidinedione-N-[1-(3-(5-(3-
              trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-
 25
              (R)-Benzyl-2,4-imidazolidinedione-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
              oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 1-Benzyl-4-(R)-benzyl-2,5-
              imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
              methylpropyl]acetamide; and 1-Benzyl-4-(R)-benzyl-2,5-imidazolidinedione-N-[1-(3-(5-
             (3-trifluoromethyl benzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide, or
30
              mixtures thereof.
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- 18. A method of inhibiting nitric oxide production in a cell susceptible to producing nitric oxide, which comprises contacting the cell with an effective amount of a composition comprising at least one agent exhibiting mammalian α_{l} -antitrypsin, α_{l} -antitrypsin-like, or serine protease inhibitor activity.
- 19. The method of claim 18 in which the cell comprises at least one of an in vitro mammalian cell culture, an ex vivo mammalian tissue culture, or a mammalian organ.

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- 20. A pharmaceutical composition comprising effective amounts of at least one agent exhibiting mammalian α_l -antitrypsin or α_l -antitrypsin-like activity, and a free radical scavenger.
- 21. A pharmaceutical composition comprising effective amounts of at least one agent exhibiting mammalian α_l -antitrypsin or α_l -antitrypsin-like activity, and an antioxidant.
- 22. The pharmaceutical composition of claim 21, which further comprises a pharmaceutically acceptable carrier.
- 23. The pharmaceutical composition of claim 21, in which the at least one agent is (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(2-phenylethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(2-methoxybenzyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(trifluoromethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(methyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(benzyl)-1,2,4-oxadiazolyl)-1,2,4-oxadiazolyl)-1,2,4-oxadiazolyl)-1,2,4-oxadiazolyl)-1,2,4-oxadiazolyl)-1,2,4-oxadiazolyl-1

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Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(trans-4-Trifluoro methylstyryl)-
      1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-
      L-Valyl-N-[1-(3-(5-(trans-4-Methoxystyryl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-
      Methylpropyl]-L-Prolinamide; (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(3-
      Thienylmethyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide;
 5
      (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(Phenyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-
      methylpropyl]-L-prolinamide; and (Benzyloxycarbonyl)-L-Valyl-N-[1-(3-(5-(3-
      Phenylpropyl)-1,2,4-oxadiazolyl)carbonyl)-2-(S)-Methylpropyl]-L-Prolinamide,
      Benzyloxycarbonyl-L-valyl-N-[1-(2-[5-(3-methylbenzyl)-1,3,4-oxadiazolyl] carbonyl)-2-
     (S)-methylpropyl]-L-prolinamide, Benzyloxycarbonyl-L-valyl-N-[1-(2-(3-methylbenzyl)-
10
      1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; Benzyloxycarbonyl-L-
      valyl-N-[1-(2-(5-(methyl)-1,3,4-oxadiazoly]carbonyl)- 2-(S)-methylpropyl]-L-
     prolinamide; Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(3-trifluoromethylbenzyl)-1,3,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-
    . valyl-N-[1-(2-(5-(4-Dimethylamino benzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-N-[1-(2-(5-(1-napthylenyl)-
     1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-
     L-valyl-[1-(3-(5-(3,4-methylenedioxybenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]-L-prolinamide; Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-
20
     dimethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
     (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-dimethoxybenzyl)-1,2,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-
     valyl-N-{1-(3-(5-(3,5-ditrifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-
     methylbenzyl)-1,2,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
25
     (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(biphenylmethine)-1,2,4-oxadiazolyl
     [carbonyl]-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-
     (4-phenylbenzyl)-1,2,4-oxadiazolyl] carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
     (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-phenylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-
     2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-
30
     phenoxybenzyl)-1,2,4-oxadiazolyl |carbonyl)-2-(S)-methylpropyl|-L-prolinamide;
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(Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(cyclohexylmethylene)-1,2,4-
             oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-
             valyl-N-[1-(3-(5-(3-trifluoromethyldimethylmethylene)-1,2,4-oxadiazolyl]carbonyl)-2-
            (S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(1-
            napthylmethylene)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
    5
            (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3-pyridylmethyl)-1,2,4-oxadiazolyl]carbonyl)-
            2-(S)-methylpropyl]-L-prolinamide; (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(3,5-
           diphenylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide;
           (Benzyloxycarbonyl)-L-valyl-N-[1-(3-(5-(4-dimethylaminobenzyl)-1,2,4-
           oxadiazolyl]carbonyl)-2-(S)-methylpropyl]-L-prolinamide; 2-(5-
  10
           [(Benzyloxycarbonyl)amino]-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-pyrimidinyl]-N-[1-
           (3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-(S)-2-
           methylpropyl]acetamide; 2-(5-Amino-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-
           pyrimidinyl]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
           methylpropyl]acetamide; 2-(5-[(Benzyloxycarbonyl)amino]-6-oxo-2-(4-fluorophenyl)-
 15
           1,6-dihydro-1-pyrimidinyl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-
           (S)-2-methylpropyl]acetamide; 2-(5-Amino-6-oxo-2-(4-fluorophenyl)-1,6-dihydro-1-
          pyrimidinyl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-
          methylpropyl]acetamide; (Pyrrole-2-carbonyl)-N-(benzyl)glycyl-N-[1-(2-(5-(3-
          methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; (Pyrrole-2-
20
          carbonyl)-N-(benzyl)glycyl-N-[1-(3-(5-(3-trifluoromethylbenzyl)]-1,2,4-oxadiazolyl)-
          (S)-methylpropyl]amide; (2S,5S)-5-Amino-1,2,4,5,6,7-hexahydroazepino-[3,2,1]-indole-
          4-one-carbonyl -N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-(R,S)-2-
          methylpropyl]amide; BTD-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
         methylpropyl]amide; (R,S)-3-Amino-2-oxo-5-phenyl-1,4,-benzodiazepine-N-[1-(2-(5-(3-
25
          methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
         (Benzyloxycarbonyl)-L-valyl-2-L-(2,3-dihydro-1H-indole)-N-[1-(2-(5-(3-methylbenzyl)-1H-indole)-N-(3-methylbenzyl)-1H-indole)]-N-[1-(2-(5-(3-methylbenzyl)-1H-indole)-N-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)]-N-[1-(3-(3-methylbenzyl)-1H-indole)
          1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; (Benzyloxycarbonyl)-L-valyl-2-
         L-(2,3-dihydro-1H-indole)-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
         oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; Acetyl-2-L-(2,3-dihydro-1H-indole)-
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         N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]amide; 3-
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(S)-(Benzyloxycarbonyl)amino)- ε-lactam-N-[1-(2-(5-(3-methylbenzy 1)-1,3,4-
      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-(S)-(Amino)- ε--lactam-N-[1-(2-
      (5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide
      trifluoroacetic acid salt; 3-(S)-[(4-morpholino carbonyl-butanoyl)amino]- \varepsilon-lactam-N-[1-
      (2-(5-(3-methylbenzyl)-1,3, 4-oxadiazolyl]carbonyl)-2-(R,S)-methylpropyl]acetamide; 6-
      [4-Fluorophenyl]- \(\epsilon\)-1,3,4-oxadiazolyl]carbonyl)-2-
      (S)-methylpropyl]acetamide; 2-(2-(R,S)-Phenyl-4-oxothiazolidin-3-yl]-N-[1-(2-(5-(3-
      methylbenzyl)-1,3,4 -oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 2-(2-(R,S)-
      phenyl-4-oxothiazolidin-3-yl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4 -
      oxadiazolyl]hydroxymethyl)-2-(S)-methylpropyl]acetamide; 2-(2-(R,S)-Benzyl-4-
10
      oxothiazolidin-3-yl]-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
      methylpropyl]-acetamide; 2-(2-(R,S)-Benzyl-4-oxothiazolidin-3-yl oxide]-N-[1-(3-(5-(3-
      trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2- (R,S,)-methylpropyl]acetamide;
     (1-Benzoyl-3,8-quinazolinedione)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
15
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; (1-Benzoyl-3,6-piperazinedione)-
     N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
     (1-Phenyl-3,6-piperazinedione)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; [(1-Phenyl-3,6-piperazinedione)-
     N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4 -oxadiazolyl]carbonyl)]-2-(S)-
20
     methylpropyl]acetamide; 3-[(Benzyloxycarbonyl)amino]-quinolin-2-one-N-[1-(2-(5-(3-
     methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-
     [(Benzyloxycarbonyl)amino]-7-piperidinyl-quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-
     1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-(Carbomethoxy-quinolin-
     2-one-N-[1-(2-(5-(3-methybenzyl)-1,3,4-oxadiazoly 1]carbonyl)-2-(S)-
     methylpropyl]acetamide; 3-(Amino-quinolin-2-one)-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
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     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 3-[(4-Morpholino)aceto]amino-
     quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-1, 3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]acetamide; 3,4-Dihydro-quinolin-2-one-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-
     oxadiazolyl[carbonyl]-2-(S)-methylpropyl]acetamide; 1-Acetyl-3-(4-fluorobenzylidene)
     piperazine-2.5-dione-N-[1-(2-(5-(3-methylbenzyl)-1.3.4-oxadiazolyllcarbonyl)-2-(S)-
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methylpropyl]acetamide; 1-Acetyl-3-(4-dimethylamino benzylidene)piperazine-2,5-

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dione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
       methylpropyl]acetamide; 1-Acetyl-3-(4-carbomethoxy benzylidene)piperazine-2,5-dione-
       N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide;
       1-Acetyl-3-[(4-pyridyl)methylene]piperazine-2,5-dione-N-[1-(2-(5-(3-methyl benzyl)-
       1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(R)-benzyl-
  5
       piperazine-2,5,-dione]-N-[1-(2-[5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
       methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-benzyl piperazine-2,5,-dione]-N-[1-(2-(5-(3-
      methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-
      3(R)-benzylpiperazine-2,5,-dione]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-
 10
      benzylpiperazine-2,5,-dione]-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
      oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-Benzyl-3-(S)-benzyl
      piperazine-2,5,-dione]-N-[1-(3-(5-(2-dimethylaminoethyl)-1,2,4-oxadiazolyl]carbonyl)-
      2-(S)-methylpropyl]acetamide; 4-[1-Methyl-3-(R,S)-phenylpiperazine-2,5,-dione]-N-[1-
      (3-(5-(3-trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-
15
      methylpropyl]acetamide; 4-[[-Methyl-3-(R,S)-phenyl piperazine-2,5,-dione]-N-[1-(2-(5-
      (3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 4-[1-(4-
      Morpholino ethyl)3-(R)-benzyl piperazine-2,5,-dione]-N-[1-(2-(5-(3-methylbenzyl)-
      1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-(R,S)-Phenyl-2,4-
      imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
20
      methylpropyl]acetamide; 5-(R)-Benzyl-2,4-imidazolidinedione-N-[1-(2-(5-(3-
      methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-(S)-Benzyl-
     2,4-imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
      methylpropyl]acetamide; 5-(S)-Benzyl-2,4-imidazolidinedione-N-[1-(3-(5-(3-
     trifluoromethylbenzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 5-
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     (R)-Benzyl-2,4-imidazolidinedione-N-[1-(3-(5-(3-trifluoromethylbenzyl)-1,2,4-
     oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide; 1-Benzyl-4-(R)-benzyl-2,5-
     imidazolidinedione-N-[1-(2-(5-(3-methylbenzyl)-1,3,4-oxadiazolyl]carbonyl)-2-(S)-
     methylpropyl]acetamide; and 1-Benzyl-4-(R)-benzyl-2,5-imidazolidinedione-N-[1-(3-(5-
     (3-trifluoromethyl benzyl)-1,2,4-oxadiazolyl]carbonyl)-2-(S)-methylpropyl]acetamide, or
30
     combinations thereof.
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- 24. The pharmaceutical composition of claim 21, in which the antioxidant is vitamin A, vitamin E, vitamin C, cysteine, N-acetylcysteine, ω-3-unsaturated lipids, ω-6-unsaturated lipids, alpha-carotene, beta-carotene, selenium, curcumin, a superoxide dismutase preparation, or combinations or complexes thereof.
- 25. A method of treating ischemia reperfusion injury, comprising administering at least one of α_1 -antitrypsin, α_1 -antitrypsin-like agent, antielastase, or antiproteinase-3 agent, or a serine protease inhibitor, or a combination thereof.

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- 26. The method of claim 25, additionally comprising administering a thrombolytic agent.
- 27. The method of claim 25, additionally comprising using a mechanical device to reestablish blood flow.
 - 28. The method of claim 25, where the ischemia reperfusion injury is associated with at least one of heart, brain, lung, kidneys, or liver.
- 29. The method of claim 25 in which the α_1 -antitrypsin-like agent is a form of α_1 -antitrypsin resistant to inactivation by reactive oxygen intermediates.
 - 30. The method of claim 27, where the mechanical device involves percutaneous transluminal coronary angioplasty or angioplasty.
 - 31. A method of sparing tissue levels of α_1 -antitrypsin in an animal, comprising administering an effective dose of a nitric oxide synthase inhibitor.
 - 32. The method of claim 31, in which the animal is a human.
- 33. The method of claim 31, in which the nitric oxide synthase inhibitor comprises: N^G-nitro-L-arginine methyl ester, N^G-nitro-L-arginine, N^G-methyl-L-arginine, N,N'-dimethylarginine, N^G-monoethyl-L-arginine acetate, N^G-monomethyl-L-arginine acetate, N^G-monomethyl-D-arginine, N^G-monomethyl-L-homoarginine acetate, N^G-nitro-D-arginine, N^G-nitro-D-arginine methyl ester hydrochloride, ω-nitro-L-arginine, L-N⁶-(1-iminoethyl)lysine, aminoguanidine, S-methylisothiourea sulfate, S-ethylisothiourea sulfate, S-aminoethylisothiourea sulfate, mercaptoethylguanidine, 2,4-diamino-6-hydroxypyrimidine, diphenyleneiodonium chloride, 2-ethyl-2-thiopseudourea hydrobromide, 2-iminobiotin, L-N⁵-(1-iminoethyl)ornithine hydrochloride, S-methyl-L-thiocitrulline dihydrochloride, *p*-nitroblue tetrazolium chloride, 3-bromo-7-nitroindazole, pentamidine isethionate, 1-pyrrolidinecarbodithioic acid, spermidine, spermine,

spermine-NO, 3-morpholinosydonimine-N-ethyl-carbamide, L-thiocitrulline, troleandomycin, 7-nitroindazole, hemoglobin, myoglobin, cytochrome V, S-nitroso-N-acetylpenicillamine S-nitrosoglutathione, or nitroglycerine, or pharmaceutically acceptable free bases thereof, or pharmaceutically acceptable salts thereof.

- 34. A method of treating an animal suffering from a pathological condition associated with elevated synthesis of nitric oxide, comprising administering to an animal in need thereof a therapeutically effective amount of at least one inhibitor of proteinase-activated receptor.
- 35. The method of claim 34 which further comprises a pharmaceutically acceptable carrier.

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36. The method of claim 34 in which the inhibitor comprises α_1 -antitrypsin, α_1 -antitrypsin-like agents, blocking antibodies, inhibitory kinases, cDNA of inhibitory kinase, inhibitory proteases, hirudin, or combinations thereof.